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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/603,801	06/26/2003	Satyendra Yadav	P-5687-US	2806

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EXAMINER	
ADDY, ANTHONY S	

ART UNIT	PAPER NUMBER
2681	

DATE MAILED: 04/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/603,801	YADAV, SATYENDRA	
	Examiner	Art Unit	
	Anthony S Addy	2681	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *26 June 2003*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-30* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-30* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *26 June 2003* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *07/21/2003*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-30 are rejected under 35 U.S.C. 102(e) as being anticipated by **Aljadeff et al., U.S. Publication Number 2003/0232598 A1 (hereinafter Aljadeff)**.

Regarding claim 1, Aljadeff discloses a method comprising determining whether to grant a client access to a wireless local area network based on a location of said client, **(see p. 2 [0011]).**

Regarding claim 2, Aljadeff teaches all the limitations of claim 1. In addition, Aljadeff teaches a method, comprising determining whether to withdraw said access from said client based on the location of said client **(see p. 4 [0036])**.

Regarding claim 3, Aljadeff teaches all the limitations of claim 1. In addition, Aljadeff teaches a method, comprising receiving information available from signals broadcast by said client to determine the location of said client **(see p. 4 [0032])**.

Regarding claim 4, Aljadeff teaches all the limitations of claim 1. In addition, Aljadeff teaches a method, comprising receiving signals from two or more signal receivers to determine the location of said client **(see p. 3 [0023] and p. 4 [0032])**.

Regarding claim 5, Aljadeff teaches all the limitations of claim 4. In addition, Aljadeff teaches a method, wherein receiving signals by two or more signal receivers to determine the location of said client comprises receiving signals by an access point and a signal receiver whose location is known **(see p. 4 [0032-0033], p. 3 [0026-0027] and Figures 1 & 3;** where an access point **AP007** is shown).

Regarding claim 6, Aljadeff teaches all the limitations of claim 1. In addition, Aljadeff teaches a method, comprising determining a direction of a source of a signal received from said client; and using said direction to determine the location of said client **(see p. 3 [0023, lines 1-9], p. 3 [0025, lines 20-32] and p. 3 [0028, lines 11-23])**.

Regarding claim 7, Aljadeff teaches all the limitations of claim 1. In addition, Aljadeff teaches a method, comprising determining a location fingerprint of a signal received from said client **(see p. 4 [0031, lines 1-5] and p. 4 [0032, lines 1-10])**; and using said location fingerprint to determine a location of said client **(see p. 4 [0032, lines 1-13])**.

Regarding claim 8, Aljadeff teaches all the limitations of claim 1. In addition, Aljadeff teaches a method, comprising receiving signals from three or more signal receivers **(see p. 3 [0023], p. 3 [0025, lines 20-32], p. 4 [0032-0033] and Fig. 2)**; triangulating said signals **(see p. 3 [0023, lines 1-7], p. 3 [0025, lines 20-32] and p. 4 [0032, lines 1-10])**; and using said triangulated signals to determine the location of said client **(see p. 3 [0023, lines 1-7], p. 3 [0025, lines 20-32] and p. 4 [0032, lines 1-10])**.

Regarding claim 9, Aljadeff teaches all the limitations of claim 1. In addition, Aljadeff teaches a method, comprising defining boundaries of a permitted area **(see p. 3 [0027, lines 8-14], p. 4 [0037, lines 1-11] and Fig. 3)**.

Regarding claim 11, Aljadeff teaches all the limitations of claim 9. In addition, Aljadeff teaches a method, comprising recording instances of attempts to gain access to said wireless local area network from outside said boundary **(see p. 3 [0030, lines 3-16], and p. 4 [0039])**.

Regarding claim 12, Aljadeff teaches all the limitations of claim 11. In addition, Aljadeff teaches a method, comprising issuing an alert upon an attempt to access said wireless local area network from outside said boundary **(see p. 4 [0036, lines 1-7] and p. 4 [0037, lines 12-16])**.

Regarding claim 13, Aljadeff teaches all the limitations of claim 9. In addition, Aljadeff teaches a method, comprising implementing intrusion reaction measures upon an attempt to access said wireless local area network from outside said boundary **(see p. 4 [0036], p. 4 [0038, lines 1-6] and p. 5 [0040])**.

Regarding claim 14, Aljadeff teaches all the limitations of claim 1. In addition, Aljadeff teaches a method, comprising accepting signals from a signal receiver of a signal receiver pair **(see p. 4 [0032] and Fig. 2)**.

Regarding claim 15, Aljadeff teaches a system comprising: a signal receiver to determine a location of a client relative to a permitted area **(see p. 3 [0023], p. 3 [0028, lines 11-23] and Fig. 2)**; and a processor to withhold access of said client to said wireless local area network if said client is outside of said permitted area **(see p. 4**

[0030, lines 8-16], p. 4 [0031, lines 5-14] and Fig. 2; where transceiver 21A acting as a network sever node includes a processor 26A for determining location of unauthorized devices and terminate unauthorized connections to the wireless LAN).

Regarding claim 16, Aljadeff teaches all the limitations of claim 15. In addition, Aljadeff teaches a system, wherein said processor is to withdraw access to said wireless local area network from said client if said client is outside of said permitted area **(see p. 4 [0036], p. 4 [0038, lines 1-6] and p. 5 [0040])**.

Regarding claim 17, Aljadeff teaches all the limitations of claim 15. In addition, Aljadeff teaches a system, wherein said signal receiver is to use information from a signal broadcast by said client to determine said location of said client **(see p. 3 [0023] and p. 4 [0032])**.

Regarding claim 18, Aljadeff teaches all the limitations of claim 15. In addition, Aljadeff teaches a system, comprising two signal receivers **(see p. 4 [0031-0033] and Fig. 2)**, wherein one of said two signal receivers is an access point **(see p. 3 [0026] and Figures 1-3;** where an access point **AP007** is shown), and another of said signal receivers includes a wireless component whose location is known **(see p. 4 [0033])**.

Regarding claim 19, Aljadeff teaches all the limitations of claim 15. In addition, Aljadeff teaches a system, wherein said signal receiver is to use a direction of the source of a signal received from said client to determine the location of said client **(see p. 3 [0023, lines 1-9], p. 3 [0025, lines 20-32] and p. 3 [0028, lines 11-23])**.

Regarding claim 20, Aljadeff teaches all the limitations of claim 15. In addition, Aljadeff teaches a system, wherein said signal receiver is to use a location fingerprint of

a signal received from said client to determine the location of said client **(see p. 4 [0031, lines 1-5] and p. 4 [0032, lines 1-13])**.

Regarding claim 21, Aljadeff teaches all the limitations of claim 15. In addition, Aljadeff teaches a system, comprising a data storage component to record instances of attempts to gain access to said wireless local area network area from outside of said permitted area **(see p. 3 [0030, lines 3-16], and p. 4 [0039])**.

Regarding claim 22, Aljadeff teaches all the limitations of claim 15. In addition, Aljadeff teaches a system, comprising an alert unit to issue an alert of attempts to gain access to said wireless local area network area from outside of said permitted area **(see p. 4 [0036, lines 1-7] and p. 4 [0037, lines 12-16])**.

Regarding claim 23, Aljadeff teaches all the limitations of claim 15. In addition, Aljadeff teaches a system, wherein said signal receiver is a signal receiver of a signal receiver pair **(see p. 4 [0032] and Fig. 2)**.

Regarding claim 25, Aljadeff teaches a computer system comprising: an access point **(see p. 3 [0026] and Figures 1 & 3;** where an access point **AP007** is shown); a processor to restrict access of a client to a wireless local area network based upon location of a client **(see p. 4 [0030, lines 8-16], p. 4 [0031, lines 5-14] and Fig. 2;** where transceiver 21A acting as a network sever node includes a processor 26A for determining location of unauthorized devices and terminate unauthorized connections to the wireless LAN); and a security unit to issue an alert upon access attempts from outside a permitted area **(see p. 4 [0035, lines 20-22], p. 4 [0036], p. 6, claim 22, lines**

14-18, claim 25, lines 1-4, claim 26, lines 3-4, claim 27, lines 1-3 and claim 28, lines 1-4).

Regarding claims 10, 24 and 26, Aljadeff teaches all the limitations of claims 9,15 and 25. In addition, Aljadeff teaches a method and system, comprising a policy server to store data on boundaries of said permitted area (Alfjadeff inherently teaches a policy server to store data on boundaries of a permitted area, since Aljadeff teaches storing distance or location information of devices; **see p. 4 [0033], p. 4 [0039], p. 5 [0040] and Fig. 4)**.

Regarding claim 28, Aljadeff discloses an article comprising: a storage medium **(see p. 3 [0030, lines 3-16])**, having stored thereon instructions, that when executed, results in the restriction of access of a client to a wireless local area network based-upon the location of said client **(see p. 3 [0030, lines 3-16])**.

Regarding claim 29, Aljadeff teaches all the limitations of claim 28. In addition, Aljadeff teaches an article, comprising instructions to determine the location of, said client **(see p.3 [0030, lines 1-16])**.

Regarding claim 30, Aljadeff teaches all the limitations of claim 28. In addition, Aljadeff teaches an article, comprising instructions to issue an alert upon access attempts from outside a permitted area **(see p. 4 [0036-0037])**.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Challener et al., U.S. Publication Number 2003/0186679 A1 discloses methods, apparatus and program product for monitoring network security.

Roese et al., U.S. Publication Number 2003/0216144 A1 discloses using signal characteristics to locate devices in a data network.

Harvey et al., U.S. Publication Number 2004/0198392 A1 discloses method and system for locating a wireless access device in a wireless network.

Ammon et al., U.S. Publication Number 2003/0217289 A1 discloses method and system for wireless intrusion detection.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony S Addy whose telephone number is 571-272-7795. The examiner can normally be reached on Mon-Thur 8:00am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel L Moise can be reached on 571-272-3865. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Anthony S. Addy
April 8, 2005

ERIKA A. GARY
PRIMARY EXAMINER